

MATERIAL SAFETY DATA SHEET

MSDS Number
C-209S

 **AccuStandard**
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Emergency Phone Number
203-786-5290
Mon. to Fri. 8am-5pm EDT

Product Number : C-209S

Product Name : Decachlorobiphenyl Solution in Isooctance

Synonyms : N/A

Formula : N/A

Molecular Weight : N/A

Section 2 - Composition / Information on Ingredients

Component(s) (2)	CAS #	Appr. %	ACGIH TLV	OSHA PEL
			TWA mg/m3 SKIN	TWA mg/m3 SKIN
Decachlorobiphenyl	2051-24-3	0.0035%		
Isooctane	540-84-1	99.99%		

Section 3 - Hazards Identification

Symptoms of Exposure:

Vapor irritating to eyes and respiratory passages.

Inhalation may cause dizziness, nausea, lack of coordination, narcosis, unconsciousness. Ingestion may cause diarrhea, slight central nervous system depression, difficulty with breathing and fatigue.

Isooctane has produced kidney damage in rats in a subchronic oral laboratory study.

May be irritating on contact with skin, eyes or mucous membranes.

Potential Health Effects:

No applicable information found.

Routes of Entry:

Inhalation, ingestion or skin contact.

Carcinogenicity:

The material is not listed (IARC, NTP, OSHA) as cancer causing agent.

Contains component(s) which are suspected cancer hazard(s) in quantities less than 0.1%.

Notification of carcinogenic ingredients in quantity less than 0.1% is not required under Federal Hazard Communication Law.

Section 4 - First Aid Measures

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Preparation Date
6/25/2004

First Aid Procedures:

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush thoroughly with water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped. Contact a physician

Ingestion: Do not induce vomiting; get immediate medical attention.

Section 5 - Fire Fighting Measures**Fire fighting measures for the Solvent****Flammable Properties:**

Flash Point (°F): 10F (cc)

Flammable Limits LEL (%): 1.00

Flammable Limits UEL (%): 6.00

Dangerous fire hazard.

Vapor can travel distances to ignition source and flash back.

Extinguishing Media:

Use dry chemical, foam, or CO2.

Protection of Firefighters:

Wear self-contained breathing apparatus and protective clothing.

Section 6 - Accidental Release Measures**Spill Response:**

If PCBs leak or are spilled, the following steps should be taken immediately: All non-essential personnel should leave the leak or spill area. The area should be adequately ventilated to prevent the accumulation of vapors. The spill/leak should be contained and removed promptly by means of absorptive material, such as sawdust, vermiculite, dry sand, clay, dirt or other similar materials. All personnel in the spill area should wear suitable protective equipment listed under Exposure / Personal Protection. All wastes and residues containing PCBs should be collected, placed in proper containers, marked and disposed of in the manner prescribed by EPA regulations (40 CFR Part 761) and applicable state and local regulations. Various federal, state, and local regulations may require reporting of PCB spills and may also define spill clean-up levels. Consult your attorney or appropriate regulatory officials for information relating to spill reporting and spill clean-up.

Section 7 - Handling and Storage

Keep container tightly closed.

Store in a cool area away from ignition sources and oxidizers.

Do not breathe vapor.

Do not get in eyes, on skin, or on clothing.
Electrically ground all equipment when handling this product.

Section 8 - Exposure Controls / Personal Protection

Personal Protection Equipment (PPE):

Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering and/or administrative controls should be implemented to reduce exposure.

Material must be handled or transferred in an approved fume hood or with equivalent ventilation.

Protective gloves should be worn to prevent skin contact.

(Nitrile or equivalent)

Safety glasses with side shields should be worn at all times.

General Hygiene Considerations:

Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

Section 9 - Physical and Chemical Properties

Physical and chemical properties for the Solvent

Appearance: Clear liquid, mild odor
Boiling Point: 99
Melting Point: -107
Specific Gravity (Water = 1): 0.69
Vapor Pressure: 41 21C
Vapor Density (Air = 1): 3.9
Percent Volatile (by volume): 99+ %
Evaporation Rate (Butyl acetate = 1): >1
Flash Point: 10F (cc)

Explosion Limits (%): 1.00 to 6.00
Solubility in water (%): Slight

Section 10 - Stability and Reactivity

Stability and reactivity for the Solvent

Stability: Stable

Materials to Avoid: Oxidizers
Other

Hazardous Decomposition: CO>>x<<

Hazardous Polymerization: Does not occur

Conditions to Avoid: Heat; contact with ignition sources

Section 11 - Toxicological Information

See section 3 for specific toxicological information for the ingredients of this product.

Section 12 - Ecological Information

By complying with sections 6 and 7 there will be no release to the environment.

Section 13 - Disposal Considerations

Recycle or incinerate at any EPA approved facility or dispose in compliance with Federal, State and local regulations.
Empty containers must be triple-rinsed prior to disposal.

Section 14 - Transport Information

DOT Shipping Class: 3 Packing Group: II UN Number: UN1262

Section 15 - Regulatory Information

In addition to Federal and state regulations, local regulations may apply. Check with your local regulatory authorities.

The following regulations apply:

This product is a "mixture". CAS number(s) NOT listed on TSCA Inventory. For research and development use only.
Not for manufacturing or commercial purposes.

Section 16 - Other Information

This document has been designed to meet the requirements of OSHA, ANSI and CHIPs regulations.

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